

TABLE 8
MANN-KENDALL STATISTICAL TREND SUMMARY
UNIVAR USA, INC.
CASH AND SILVER STREET
BURLINGTON, IOWA

MW4A					
	2008 Trend April to June	2009 Trend April to June	2010 Trend April to June	2011 Trend April to June	2012 Trend April to June
1,1-Dichloroethane	No trend	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	No trend	No trend	No trend	No trend	No trend
1,1,1-Trichloroethane	No trend	No trend	No trend	No trend	No trend
Vinyl Chloride	Decreasing	Decreasing	Decreasing	No trend	No trend
Trichloroethene	Not available	No trend	No trend	No trend	No trend
MW5A					
	2008 Trend July to September	2009 Trend July to September	2010 Trend July to September	2011 Trend July to September	2012 Trend July to September
1,1-Dichloroethane	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
cis-1,2-Dichloroethene	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
1,1,1-Trichloroethane	Decreasing	Decreasing	No trend	No trend	No trend
Tetrachloroethene	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
Vinyl Chloride	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
Trichloroethene	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
MW6A					
	2008 Trend July to September	2009 Trend July to September	2010 Trend July to September	2011 Trend July to September	2012 Trend July to September
Tetrachloroethene	No trend	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	No trend	No trend	No trend	No trend	No trend
Trichloroethene	No trend	No trend	No trend	No trend	No trend
MW-9A					
	2008 Trend April to June	2009 Trend April to June	2010 Trend April to June	2011 Trend April to June	2012 Trend April to June
1,1-Dichloroethane	No trend	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	No trend	Increasing	No trend	No trend	No trend
1,1,1-Trichloroethane	No trend	No trend	No trend	No trend	No trend
Tetrachloroethene	No trend	No trend	No trend	No trend	No trend
Trichloroethene	No trend	Increasing	No trend	No trend	No trend
MW10A					
	2008 Trend January to March	2009 Trend January to March	2010 Trend January to March	2011 Trend January to March	2012 Trend January to March
1,1-Dichloroethane	Decreasing	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	Decreasing	Decreasing	No trend	No trend	No trend
1,1,1-Trichloroethane	Decreasing	Decreasing	No trend	No trend	No trend
Vinyl Chloride	Decreasing	Decreasing	No trend	No trend	No trend

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MANN-KENDALL STATISTICAL TREND SUMMARY
UNIVAR USA, INC.
CASH AND SILVER STREET
BURLINGTON, IOWA

MW11A					
	2008 Trend April to June	2009 Trend April to June	2010 Trend April to June	2011 Trend April to June	2012 Trend April to June
1,1-Dichloroethane	No trend	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	No trend	No trend	No trend	No trend	No trend
Tetrachloroethene	No trend	No trend	Increasing	Increasing	Increasing
Vinyl Chloride	Not available	No trend	No trend	No trend	No trend
Trichloroethene	No trend	No trend	No trend	Increasing	Increasing
MW12A					
	2008 Trend October to December	2009 Trend October to December	2010 Trend October to December	2011 Trend October to December	2012 Trend October to December
1,1-Dichloroethane	No trend	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	No trend	No trend	No trend	No trend	No trend
Vinyl Chloride	No trend	No trend	Increasing	Increasing	Increasing
MW13A					
	2008 Trend October to December	2009 Trend October to December	2010 Trend October to December	2011 Trend October to December	2012 Trend October to December
1,1-Dichloroethane	No trend	Decreasing	Decreasing	Decreasing	Decreasing
cis-1,2-Dichloroethene	No trend	No trend	No trend	No trend	No trend
Vinyl Chloride	No trend	No trend	No trend	No trend	No trend
MW14A					
	2008 Trend October to December	2009 Trend October to December	2010 Trend October to December	2011 Trend October to December	2012 Trend October to December
1,1-Dichloroethane	No trend	No trend	Decreasing	Decreasing	Decreasing
cis-1,2-Dichloroethene	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
Vinyl Chloride	No trend	No trend	No trend	No trend	No trend
MW15A					
	2008 Trend October to December	2009 Trend October to December	2010 Trend October to December	2011 Trend October to December	2012 Trend October to December
1,1-Dichloroethane	No trend	No trend	No trend	No trend	No trend
cis-1,2-Dichloroethene	Decreasing	No trend	Decreasing	Decreasing	Decreasing
Vinyl Chloride	No trend	No trend	No trend	No trend	No trend

Source:

Supplemental RFI (March 8, 2013). Prepared by Geosyntec Consultants

Statistical software ProUCL 4.0 for Environmental Applications was used for Mann Kendall analysis.

Trends are determined for each well for the season during which the maximum chemical concentration has been recorded at that particular well. The seasons are divided into quarters of the year, with January-March being the first quarter.